

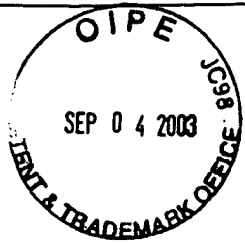
Image

1634

# ARNOLD & PORTER

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555 Twelfth Street, NW  
Washington, DC 20004-1206



September 4, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Application No. 09/824,200  
Filed: April 3, 2001  
Title: **Expression and Purification of Bioactive, Authentic  
Polypeptides from Plants**  
Inventors: Douglas A. RUSSELL *et al.*  
Atty. Docket: 18337.006

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.  
Patent and Trademark Office (PTO):

1. an Information Disclosure Statement;
2. a PTO-1449 Form (1 page) with (8) accompanying references; and
3. a return postcard.

Please stamp the attached postcard with the filing date of these documents and return it to  
our courier.

Applicants do not believe any fees are due in conjunction with this filing. However, if  
any fees under 37 C.F.R. §§ 1.16 or 1.17 are required in the present application, including any  
fees for extensions of time, then the Commissioner is hereby authorized to charge such fees to  
Arnold & Porter Deposit Account No. 50-2387, referencing matter number 18337.006. A  
duplicate copy of this letter is enclosed.

Respectfully submitted,

David R. Marsh (Reg. Attorney No. 41,408)  
Kristan L. Lansbery (Reg. Agent No. 53,183)

Attachments

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Douglas A. RUSSELL *et al.*

Appln. No.: 09/824,200

Filed: April 3, 2001

For: *Expression and Purification of  
Bioactive, Authentic Polypeptides  
from Plants*



Group Art Unit: 1634

Examiner: Jeffrey Norman Fredman

Atty. Docket: 18337.006

Confirmation No.: 5401

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The attention of the Examiner is invited to the references listed on the attached Form PTO-1449. Copies of the listed references are either submitted herewith or were previously cited by or submitted to, the Office in a prior application. Pursuant to 37 C.F.R. §1.97(d) and MPEP §609, the prior application is identified by its U.S. Application Number in this Information Disclosure Statement on the attached Form PTO-1449, and the above-captioned application relies on the prior application for an earlier filing date under 35 U.S.C. §120.

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

**CERTIFICATION AND/OR FEE**

Because this Information Disclosure Statement is being submitted before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114 in the above-captioned application, no certification or fee is required.

Respectfully submitted,

A handwritten signature in cursive script, reading "Kristan Lansbery".

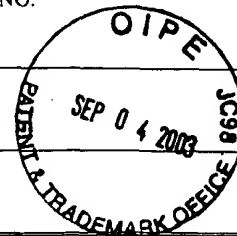
David R. Marsh (Reg. Attorney No. 41,408)

Kristan L. Lansbery (Reg. Agent No. 53,183)

Date: September 4, 2003

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|   |   |                 |
|---|---|-----------------|
| FORM PTO-1449<br>INFORMATION DISCLOSURE STATEMENT | ATTY. DOCKET NO.                            | APPLICATION NO. |
|   | 18337.006                                   | 09/824,200      |
|   | APPLICANTS<br>Douglas RUSSELL <i>et al.</i> |                 |
|   | FILING DATE                                 | GROUP           |
|   | April 3, 2001                               | 1634            |



| U.S. PATENT DOCUMENTS    |     |                 |      |         |                     |             |
|--------------------------|-----|-----------------|------|---------|---------------------|-------------|
| EXAMINER INITIAL         |     | DOCUMENT NUMBER | DATE | NAME    | REFERENCE PROVIDED* |             |
|                          | BA1 |                 |      |         |                     |             |
| FOREIGN PATENT DOCUMENTS |     |                 |      |         |                     |             |
| EXAMINER INITIAL         |     | DOCUMENT NUMBER | DATE | COUNTRY | REFERENCE PROVIDED* | TRANSLATION |
|                          | BB1 |                 |      |         |                     | Yes<br>No   |

| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) |    |   |  |  | REFERENCE PROVIDED*  |
|--|----|---|--|--|----------------------|
|  | BC | 1 | Belanger and Kriz, "Molecular Basis for Allelic Polymorphism of the Maize Globulin-1 Gene", <i>Genetics</i> , Vol. 129(3), pp. 863-872 (1991)  |  | submitted herewith   |
|  | BD | 1 | Boutin <i>et al.</i> , "Cloning and express of the rat prolactin receptor, a member of the growth hormone/prolactin receptor gene family", <i>Cell</i> , Vol. 53, pp. 69-78 (1988)   |  | submitted herewith   |
|  | BE | 1 | Das <i>et al.</i> , "Sequence Variation between Alleles Reveals Two Types of Copy Correction at the 27-kDa Zein Locus of Maize", <i>Genomics</i> , Vol. 11(14), pp. 849-856 (1991)   |  | submitted herewith   |
|  | BF | 1 | During, PhD Dissertation, University of Koln, FRG, (1988) (English Translation)  |  | submitted herewith   |
|  | BG | 1 | Edwards <i>et al.</i> , "A newly defined property of somatotropin: Priming of macrophagees for production of superoxide anion", <i>Science</i> , Vol. 239, pp. 769-771 (1988)  |  | Appl. No. 09/113,244 |
|  | BH | 1 | Herman and Larkins, "Protein storage bodies and vacuoles", <i>The Plant Cell</i> , Vol. 11, pp. 601-613 (1999)   |  | submitted herewith   |
|  | BI | 1 | Kobmann <i>et al.</i> , "Cloning and expression analysis of the plastidic fructose-1,6-bisphosphatase coding sequence from potato: circumstantial evidence for the import of hexoses into chloroplasts", <i>Planta</i> , Vol. 188, pp. 7-12 (1992) |  | submitted herewith   |
|  | BJ | 1 | Kwon <i>et al.</i> , "Expression of active human interleukin -6 in transgenic tobacco", <i>Mol. Cells</i> , Vol. 5(5), pp. 486-492 (1995)  |  | submitted herewith   |
|  | BK | 1 | Murad <i>et al.</i> , <u>Pharmacological Basis of Therapeutics</u> , 8th edition, Section XV, Pergaman Press, pp. 1332-1360 (1990)   |  | Appl. No. 09/113,244 |
|  | BL | 1 | Woo <i>et al.</i> , "Genomics analysis of genes expressed in maize endosperm identifies novel seed proteins and clarifies patterns of zein gene expression", <i>The Plant Cell</i> , Vol. 13, pp. 2297-2317 (2001)                                 |  | submitted herewith   |
|  | BM | 1 |  |  |                      |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Please include a copy of this form with the next communication to Applicants.

\* Copies of the listed references are either submitted herewith or were previously cited by or submitted to, the Office in a prior application. Pursuant to 37 C.F.R. §1.97(d) and MPEP §609, the indicated reference may have been previously cited by or submitted to, the Office in a prior application, where the prior application is identified by its U.S. Application Number in this Information Disclosure Statement.